

Title (en)

Motor vehicle with an adjustable rear spoiler

Title (de)

Kraftfahrzeug mit einem verstellbaren Heckspoiler

Title (fr)

Véhicule automobile avec une becquet arrière réglable

Publication

**EP 1582444 B1 20070516 (DE)**

Application

**EP 05006207 A 20050322**

Priority

DE 102004016105 A 20040401

Abstract (en)

[origin: EP1582444A2] Motor vehicle (1) comprises a body (2) provided with a pivoting spoiler at the rear. The position and shape of the spoiler element (6) and the position of the axis of rotation (16) are selected so that the air flow acting on the first breaking edge (14) protruding over the body pivots the spoiler element by an angle (alpha ) about the axis of rotation from the rest position (7) into the operating position (26) to bring into use a second breaking edge (21) formed on a front section on a lower side (22) of the spoiler element. Preferred Features: The body has a recess (5) in which at least one spoiler element is pivotably mounted about the axis of rotation that is formed on a rear section (11) of the spoiler element.

IPC 8 full level

**B62D 35/00** (2006.01); **B62D 37/02** (2006.01)

CPC (source: EP)

**B62D 35/007** (2013.01); **B62D 37/02** (2013.01); **Y02T 10/82** (2013.01)

Cited by

RU2619680C1; FR3101814A1; US7780223B2; RU2622322C2; DE102012108049A1; US9139129B2; US9227676B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1582444 A2 20051005; EP 1582444 A3 20060510; EP 1582444 B1 20070516**; DE 102004016105 A1 20051020;  
DE 502005000718 D1 20070628

DOCDB simple family (application)

**EP 05006207 A 20050322**; DE 102004016105 A 20040401; DE 502005000718 T 20050322